INFORMATION HANDOUT

For Contract No. 05-1G3804
At 05-Mon-101-53.9/57.1

Identified by
Project ID 0515000007

MATERIALS INFORMATION

1. Materials Information-Boring Records for High Tension Cable Barrier
2. Water Source Information

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
GEOTECHNICAL SERVICES

File: 05-Mon-101-53.9/57.1
EA 05-1G3801
Project ID 0515000007
High Tension Cable Barrier

MATERIALS INFORMATION

In Monterey County in and near Greenfield
Along Route 101 in Center Median toward Soledad

The records from which this information was compiled may be inspected at:
The Department of Transportation
50 Higuera Street
San Luis Obispo, CA, 93401

Index:

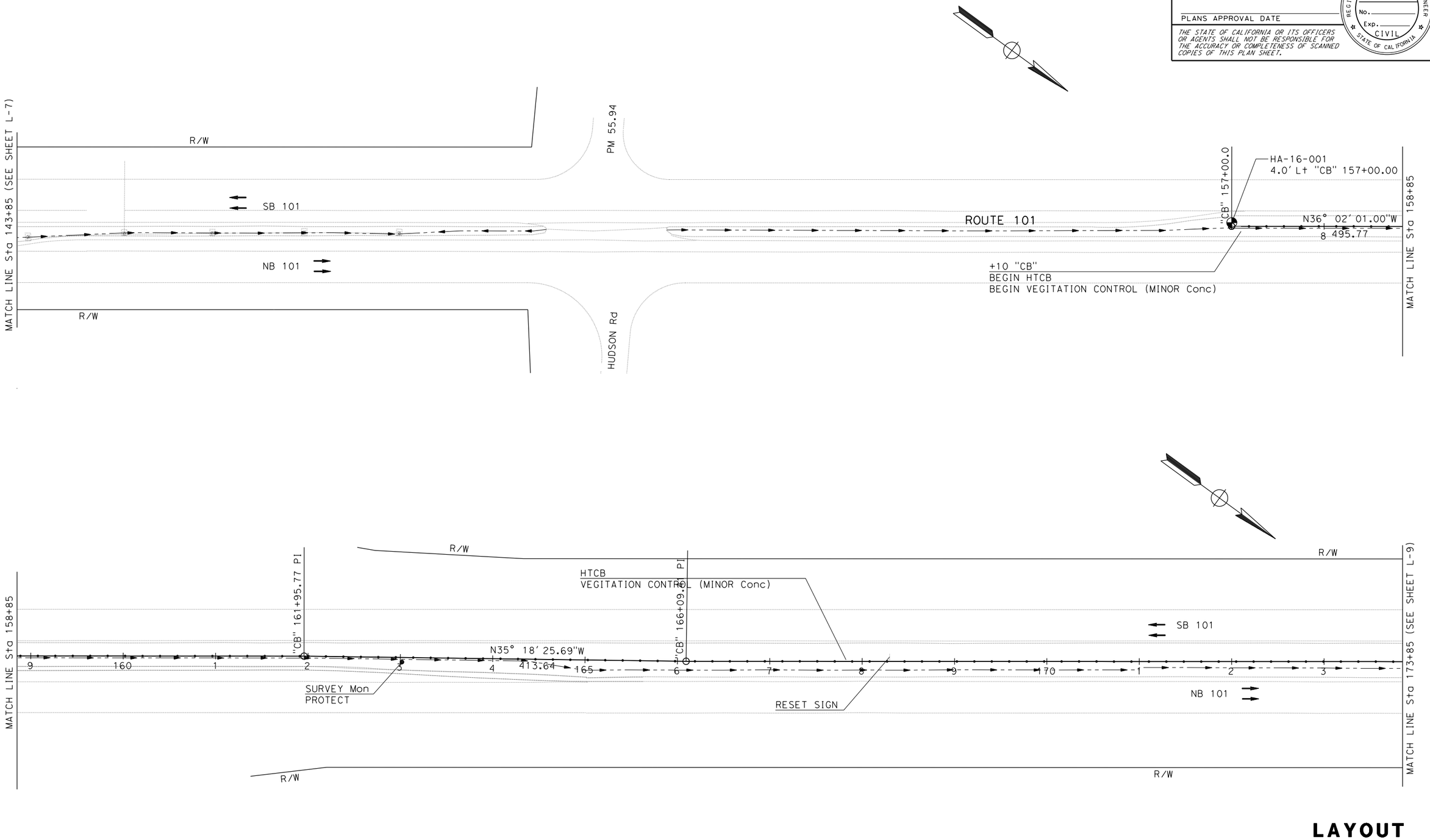
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	Mon	101	53.9/57.1		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SCALE: 1"=50'

LAYOUT
L-8

REVISED BY	
DATE REVISED	
SUSAN LOZON	
MICHAEL O'NEAL	
CALCULATED-DESIGNED BY	
CHECKED BY	
FUNCTIONAL SUPERVISOR	CLAUDIA ESPINO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

DATE PLOTTED => 9/23/2016
TIME PLOTTED => 6:59:47 AM

LAST REVISION 00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => "s100205"
DGN FILE => ...\0515000007ea008 HA 16 001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 00000000001

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	Mon	101	53.9/57.1		

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No.
Exp.
CIVIL
STATE OF CALIFORNIA

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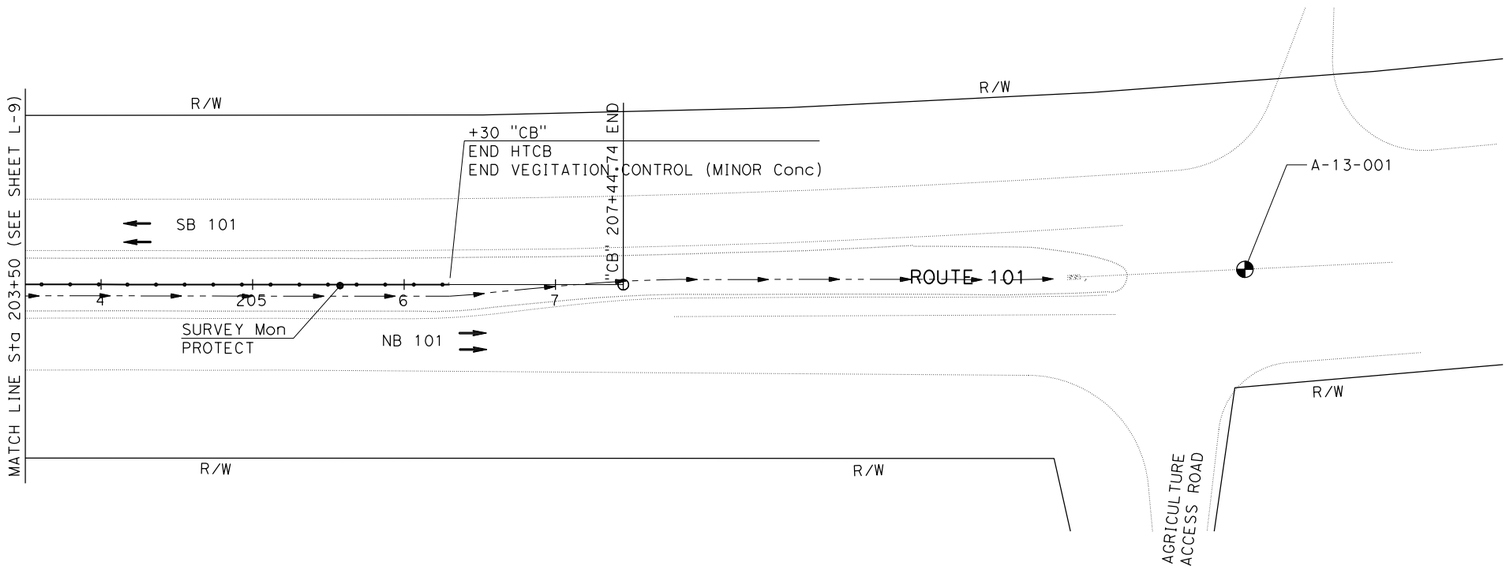


SCALE: 1"=50'

LAYOUT
L-10

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: SUSAN LOZON
CHECKED BY: MICHAEL O'NEAL
FUNCTIONAL SUPERVISOR: CLAUDIA ESPINO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 9/19/2016
TIME PLOTTED => 12:21:39 PM

BORDER LAST REVISED 7/2/2010

USERNAME => "s100205"
DGN FILE => ...\0515000007ea010 previous boring.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

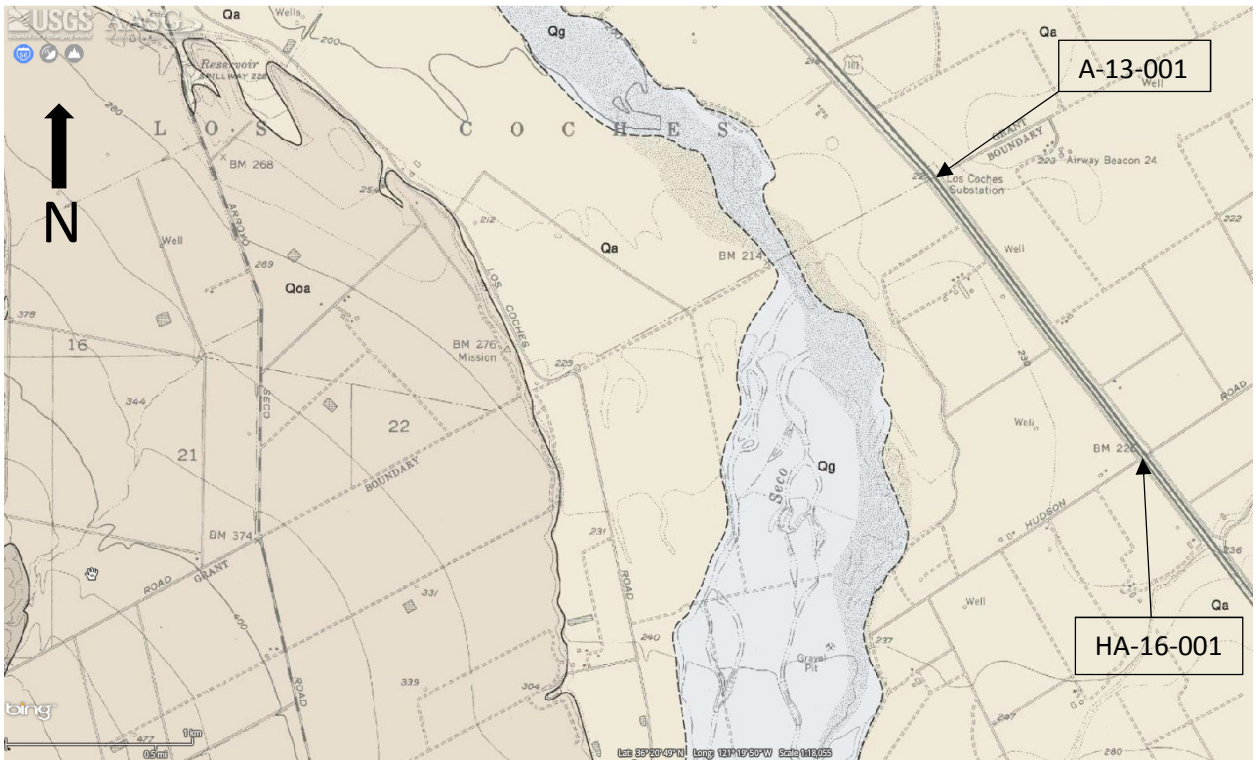
PROJECT NUMBER & PHASE 00000000001

Greefield High Tension Cable Barrier

Geologic Map

05-Mon-101-53.9/57.1

Dibblee, T.W., and Minch, J.A., 2006, Geologic map of the Paraiso Springs quadrangle, Monterey County, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-247, scale 1:24,000



LEGEND

Qg / Qa

SURFICIAL SEDIMENTS

Qg *Sand and gravel of Arroyo Seco channel*
Qa *Alluvial gravel, sand and silt/clay of valley areas and stream channels*

Qoa / Qof | Qoa3 / Qoa2

OLDER SURFICIAL SEDIMENTS

Qoa *Alluvial terrace sediments along Arroyo Seco in SW area;* **Qoa3** *lower, undissected younger terraces;* **Qoa2** *upper partly dissected older terraces*
Qof *Alluvial fan gravel of higher, older terraces in NW area*

LOGGED BY	BEGIN DATE	COMPLETION DATE	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID
J.Scardine	**8-23-16**	**8-23-16**	**2694950.8 ft / 5598862.1 ft**	**HA-16-001**
DRILLING CONTRACTOR			BOREHOLE LOCATION (Offset, Station, Line)	SURFACE ELEVATION
Caltrans			**4.0' Lt Sta 157+00.00 "CB"**	**227.8 ft**
DRILLING METHOD			DRILL RIG	BOREHOLE DIAMETER
Hand Auger				**4 in**
SAMPLER TYPE(S) AND SIZE(S) (ID)			SPT HAMMER TYPE	HAMMER EFFICIENCY, ERi
Other 1" cone tip			**28lbs** at 18" drop	**3 blows = 1 blow** SPT
BOREHOLE BACKFILL AND COMPLETION			GROUNDWATER READINGS DURING DRILLING **Not Encountered** AFTER DRILLING (DATE)	TOTAL DEPTH OF BORING
Bentonite Chips/Native soil				**15.5 ft**

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
	0		Poorly graded GRAVEL with SILT and SAND (GP-GM); grayish brown; dry; mostly fine, subangular GRAVEL; some fine and medium SAND; few fines.												
	1														
225.84	2		SANDY SILT with GRAVEL (ML); loose; brown; moist; mostly fines; some fine and medium SAND; little fine, subangular GRAVEL.												
	3				2	8 7 10	17								
223.84	4														
	5		SILTY SAND (SM); loose; dark brown; moist; mostly fine and medium SAND; some fines; trace coarse, subrounded GRAVEL.		4	8 8 11	19								
221.84	6														
	7														
219.84	8		Poorly graded SAND (SP) thinly bedded with very thin interbeds of Lean CLAY (CL). Poorly graded SAND; medium dense; brown; moist; mostly fine and medium SAND. Lean CLAY (CL); brown; moist. - 8.75' 6" lense fine subrounded coarse GRAVEL.												
	9				6	11 15 17	32								
217.84	10														
	11		- very loose.		8	6 6 7	13								
215.84	12														
	13														
213.84	14		- medium dense.		10	21 27 17	44								
	15														
211.84	16		Bottom of borehole at 15.5 ft bgs												
	17		This Boring Record was developed in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) except as noted on the Soil or Rock Legend or below.												
209.84	18														
	19														
	20														

Department of Transportation
Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - West

REPORT TITLE				HOLE ID
BORING RECORD				**HA-16-001**
DIST.	COUNTY	ROUTE	POSTMILE	PROJECT ID
05	**MON**	**101**	**53.9/57.1**	**0515000007**
PROJECT OR BRIDGE NAME				
Greenfield Cable Barrier				
BRIDGE NUMBER	PREPARED BY		DATE	SHEET
	J. Scardine		**9-16-16**	**1 of 1**

5 BR - STANDARD GREENFIELD CABLE BARRIER 2016.GPJ CALTRANS LIBRARY (FEB 2013).GLB 9/21/16

LOGGED BY	BEGIN DATE	COMPLETION DATE	BOREHOLE LOCATION (Lat/Long or North/East and Datum)	HOLE ID
J. Scardine	12-10-13	12-10-16		A-13-001
DRILLING CONTRACTOR			BOREHOLE LOCATION (Offset, Station, Line)	SURFACE ELEVATION
Caltrans				221.3 ft
DRILLING METHOD			DRILL RIG	BOREHOLE DIAMETER
Hollow-Stem Auger			CS 2000 (truck)	6 in
SAMPLER TYPE(S) AND SIZE(S) (ID)			SPT HAMMER TYPE	HAMMER EFFICIENCY, ERi
SPT (1.4")			Automatic	85%
BOREHOLE BACKFILL AND COMPLETION			GROUNDWATER READINGS DURING DRILLING AFTER DRILLING (DATE)	TOTAL DEPTH OF BORING
Grout			Not Encountered	31.5 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
	0		SILTY SAND (SM); medium dense; very dark grayish brown; dry; mostly fine and medium SAND; some fines; trace fine, subangular GRAVEL.		1	3 9 12	21								
219.28	2														
	3														
217.28	4														
	5		- medium dense.		2	3 4 4	8								
215.28	6														
	7														
213.28	8														
	9														
211.28	10		Poorly graded SAND with SILT (SP-SM); loose; dark grayish brown; moist; mostly fine and medium SAND; trace fines.		3	2 2 2	4								
	11														
209.28	12														
	13														
207.28	14														
	15		- very loose.			2 1 2	3								
205.28	16														
	17														
203.28	18														
	19														
	20														

(continued)

Department of Transportation
Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - West

REPORT TITLE				HOLE ID
BORING RECORD				A-13-001
DIST.	COUNTY	ROUTE	POSTMILE	PROJECT ID
05	MON	101	53.9/57.1	0515000007
PROJECT OR BRIDGE NAME				
Greenfield Cable Barrier				
BRIDGE NUMBER	PREPARED BY		DATE	SHEET
	J. Scardine		1-9-14	1 of 2

ELEVATION (ft)	DEPTH (ft)	Material Graphics	DESCRIPTION	Sample Location	Sample Number	Blows per 6 in.	Blows per foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
	20		- loose. Poorly graded SAND with SILT (SP-SM) *(continued)*.		5	2 2 3	5								
199.28	22														
197.28	24														
	25		SILT with SAND (ML); loose; dark grayish brown; moist; mostly fines; few fine and medium SAND.		6	2 1 3	4								
195.28	26														
193.28	28														
191.28	30														
189.28	32		Bottom of borehole at 31.5 ft bgs												
187.28	34		This Boring Record was developed in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010) except as noted on the Soil or Rock Legend or below.												
185.28	36														
183.28	38														
181.28	40														
179.28	42														
	44														

5 BR - STANDARD GREENFIELD CABLE BARRIER 2016.GPJ CALTRANS LIBRARY (FEB 2013).GLB 9/23/16

Department of Transportation
Division of Engineering Services
Geotechnical Services
Office of Geotechnical Design - West

REPORT TITLE				HOLE ID
BORING RECORD				**A-13-001**
DIST.	COUNTY	ROUTE	POSTMILE	PROJECT ID
05	**MON**	**101**	**53.9/57.1**	**0515000007**
PROJECT OR BRIDGE NAME				
Greenfield Cable Barrier				
BRIDGE NUMBER	PREPARED BY		DATE	SHEET
	J. Scardine		**1-9-14**	**2 of 2**

January 8, 2017

California department of Transportation
Attn: Susan Lozon, PE
50 Higuera Street
San Luis Obispo, Ca 93401

RE: CONSTRUCTION WATER-

Dear Ms. Lozon,

Pursuant to your contact to the City of Soledad, the City anticipates being able to supply construction water at this time, the City will have more than 700,000 gallons of Title 22 Reclaimed Water available for your construction project on Highway 101 near Greenfield (EA 05-1G3801) from mile post 53.9 to 57.1, that is due to start in October of 2017 over the span of 6 months. It is always possible that severe drought conditions one year from now may affect this tentative water allocation.

The City can provide the projects with either Title 22 Reclaimed Water or Potable Water. Listed below are details for each water source.

POTABLE WATER

1. Our nearest connection point is located on 1013 South Front Street.
2. The City can provide a 3" construction meter on an existing fire hydrant at this location. *Should the contractor desire to place an overhead tank trailer, an alternative location will be required.*
3. An "Application for Water Service" will need to be completed.
4. A deposit of $100.00 is required (credit against water use). Also included in the $100.00 is the application fee.
5. A fixed meter fee of $138.50/month and water consumption of $1.58.00 per unit. (one unit is 100 cubic feet or 748 gallons)
6. Ability to provide service may be impacted by any emergency drought measures that may be in place at time of application. Currently, the City has no drought restrictions on providing water service.

TITLE 22 RECLAIMED WATER

1. Our nearest connection point is located on 34520 Morisoli Road.

2. The City can provide a 3" construction meter on an existing fire hydrant at this location. *Should the contractor desire to place an overhead tank trailer, an alternative location will be required.*
3. An "Application for Water Service" will need to be completed.
4. A deposit of $100.00 is required (credit against water use). Also included in the $100.00 is the application fee.
5. A fixed meter fee of $138.50/month and water consumption of $1.58.00 per unit. (one unit is 100 cubic feet or 748 gallons)
6. Currently, the City has no drought restrictions on providing Title 22 Reclaimed Water Service and no plans for water restrictions on the Title 22 Reclaimed Water.

If you have any questions, please contact me by telephone at (831) 223-5190 or by email at Ed.Waggoner@cityofsoledad.com.

Sincerely,

Edward Waggoner

Ed Waggoner,
Water Resources Manager Consultant
City of Soledad WRF
34520 Morisoli Road
Soledad Ca. 93960

ph 831-223-5190
fax 831-223-5192